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OM protein - protein search, using sw model

Run on: July 17, 2001, 15:49:43 ; Search time 25.42 Seconds

(without alignments)
71.322 Million cell updates/sec

Title: US-09-549-342a-10

Perfect score: 459
Sequence: 1 MRLSVCLMWSLALCCYQAH.....FKERLSLKSWGIYKCGV 90Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 193259 seqs, 20144635 residues

Total number of hits satisfying chosen parameters: 193259

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :
1: Issued_Patents_AA:*
2: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/PCPUUS.COMB.pep:*
7: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	424	92.4	90	3	US-08-821-451A-2
2	424	92.4	90	4	US-09-263-810-2
3	258	56.2	90	3	US-08-821-451A-4
4	258	56.2	90	4	US-09-263-810-4
5	258	56.2	90	4	US-08-912-276-15
6	180	39.2	90	3	US-08-821-451A-25
7	180	39.2	90	3	US-08-821-451A-26
8	180	39.2	90	4	US-09-263-810-25
9	180	39.2	90	4	US-09-263-810-26
10	168	36.6	69	4	US-08-912-276-23
11	119	25.9	45	4	US-08-912-276-22
12	100	21.8	91	1	US-08-455-896-8
13	100	21.8	91	2	US-08-933-149-8
14	100	21.8	91	2	US-09-082-343-8
15	100	21.8	91	3	US-09-082-253-8
16	100	21.8	91	5	PCT-US96-08235-8
17	66	14.4	1110	1	US-08-118-441-29
18	66	14.4	1110	3	US-08-338-579A-29
19	66	14.4	1110	5	PCT-US94-09851-29
20	61	13.3	92	1	US-07-807-529A-2
21	61	13.3	92	5	PCT-US93-02462-2
22	61	13.3	94	1	US-07-662-193-1
23	61	13.3	94	3	US-08-300-928C-2
24	61	13.3	94	3	US-08-300-928C-11
25	61	13.3	94	3	US-08-430-944D-2
26	61	13.3	94	3	US-08-430-944D-11
27	61	13.3	94	3	US-08-430-014-2

28	61	13.3	94	3	US-08-430-014-11	Sequence 11, Appl
29	61	13.3	94	4	US-08-431-184-2	Sequence 2, Appl1
30	61	13.3	94	4	US-08-431-184-11	Sequence 11, Appl
31	60.5	13.2	446	1	US-07-626-618A-21	Sequence 21, Appl
32	60.5	13.2	446	1	US-07-626-618A-22	Sequence 22, Appl
33	60.5	13.2	446	1	US-08-333-977-21	Sequence 21, Appl
34	60.5	13.2	446	1	US-08-333-977-22	Sequence 22, Appl
35	60.5	13.2	446	2	US-07-969-267B-4	Sequence 2, Appl
36	60.5	13.2	487	1	US-08-444-734A-2	Sequence 4, Appl1
37	59.5	12.9	517	4	US-08-974-549A-606	Sequence 2, Appl1
38	59	12.9	15	4	US-08-912-276-19	Sequence 606, App
39	57.5	12.5	421	1	US-08-196-989B-12	Sequence 19, Appl
40	57.5	12.5	421	2	US-08-760-936-12	Sequence 12, Appl
41	57.5	12.5	422	1	US-07-817-920-3	Sequence 3, Appl1
42	57.5	12.5	422	1	US-08-370-342-3	Sequence 3, Appl1
43	57.5	12.5	422	1	US-08-117-006-3	Sequence 3, Appl1
44	57.5	12.5	422	1	US-08-216-594-3	Sequence 3, Appl1
45	57.5	12.5	422	1	US-08-542-358-3	Sequence 3, Appl1

ALIGNMENTS

RESULT 1
US-08-821-451A-2
Sequence 2, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian NI, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1740
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-2

Query Match 92.4%; Score 424; DB 3; Length 90;
Best Local Similarity 94.4%; Pred. No. 8.9e-48;
Matches 85; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

OY 1 MRLSVCLLWVSLALCCYQAHALVCPAVASEITVFLFLSDAAVNLQYAKLNPPPEALAAKL 60
DB 1 MRLSVCLLWVSLALCCYQAHALVCPAVASEITVFLFLSDAAVNLQYAKLNPPPEALAAKL 60
OY 61 EVKHCITDQISFKRSLKRWGIVKKGCV 90
DB 61 EVKHCITDQISFKRSLKRWGIVKKGCV 90

RESULT 2

US-09-263-810-2
Sequence 2, Application US/09263810
Patent No. 6174992

GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-263-810-2

Query Match 92.4%; Score 424; DB 4; Length 90;
Best Local Similarity 94.4%; Pred. No. 8.9e-48;
Matches 85; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

OY 1 MRLSVCLLWVSLALCCYQAHALVCPAVASEITVFLFLSDAAVNLQYAKLNPPPEALAAKL 60
DB 1 MRLSVCLLWVSLALCCYQAHALVCPAVASEITVFLFLSDAAVNLQYAKLNPPPEALAAKL 60
OY 61 EVKHCITDQISFKRSLKRWGIVKKGCV 90
DB 61 EVKHCITDQISFKRSLKRWGIVKKGCV 90

RESULT 3

US-08-821-451A-4
Sequence 4, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-4

Query Match 56.2%; Score 258; DB 3; Length 90;
Best Local Similarity 55.6%; Pred. No. 2.8e-26;
Matches 50; Conservative 17; Mismatches 23; Indels 0; Gaps 0;

OY 1 MRLSVCLLWVSLALCCYQAHALVCPAVASEITVFLFLSDAAVNLQYAKLNPPPEALAAKL 60
DB 1 MRLSVCLLWVSLALCCYQAHALVCPAVASEITVFLFLSDAAVNLQYAKLNPPPEALAAKL 60
OY 61 EVKHCITDQISFKRSLKRWGIVKKGCV 90
DB 61 EVKHCITDQISFKRSLKRWGIVKKGCV 90

RESULT 4

US-09-263-810-4
Sequence 4, Application US/09263810
Patent No. 6174992

GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE

```

APPLICATION NUMBER: US/08/912.276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972.US.PI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEX: 847/938-2623
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6183952e
US-08-912-276-15

Query Match          56.2%; Score 258; DB 4; Length 90;
Best Local Similarity 55.6%.; Pred. No. 2.8e-26;
Matches   50; Conservative % 17; Mismatches 23; Indels    0; Gaps    0;

QY      1 MRSLVCLMVSALCCGYAHNLNCPAVASEITVFPLFSDAVNQLQVAKLNPPELAAKL 60
        I :|||||I:|||||IIIII:I|::|I:|::|::|::|::|::|::|::|::|::|
Db       1 MKLSVCLLVLTLACCYOANAFCPALVSELDFFFIISPLEFKSLAKFDAPAEVAAKL 60

QY      61 EVKHCTDISEKERLTSKSWGIKCGV 90
        |||||I::|:|::|:|::|::|:|
DB       61 GKRCIDQMSLGKRSLIAEVLVKIKRCSV 90

RESULT     6
US-08-821-451A-25
Sequence 25, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: JIAN NI, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: Binding Factor I, II and III 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELIA, BYRNIE, BAIN, GILFILLAN,
ADDRESSER: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821.451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULHINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEX: 201-994-1744
```

Query Match	39.2%;	Score 180;	DB 3;	Length 90;
Best Local Similarity	44.0%;	Pred. No. 3.5e-16;		
Matches 40;	Conservative 18;	Mismatches 31;	Indels 2;	Gaps 2

RESULT 9
US-09-263-810-26
; Sequence 26, Application US/0926381C
; Patent No. 617492
; GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESSES:
ADDRESSEE: CARELLA, BYRNE, BAIN, GIFFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-263-810-26

Query Match 39.2%; Score 180; DB 4; Length 90;
Best Local Similarity 44.0%; Pred. No. 3.5e-16;
Matches 40; Conservative 18; Mismatches 31; Indels 2; Gaps 2;
QY 1 MRLSVCLMWSLAICQQAHA-LVCPAVASEITVFLPSDAVNLQVAKLNPPPEALAAK 59
1 IETSLICL-IMLAVCCEANASQICELVAHETISFLMKSEELKLEMYNAPPAVEAK 59
DB 60 LEVHCITDOISFKERLSIKSWGIVKCGV 90
60 LEVRCVDMQNSGRLVAVETLVYTFLECGV 90
RESULT 10
US-08-912-276-23
Sequence 23, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Kriatochvill, Jon D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Russell, John C.
APPLICANT: Stroupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE BREAST
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2633
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 69 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6183952e
US-08-912-276-23

Query Match 36.6%; Score 168; DB 4; Length 69;
Best Local Similarity 49.3%; Pred. No. 8.8e-15;
Matches 33; Conservative 13; Mismatches 21; Indels 0; Gaps 0;
QY 24 CPVASEITVFLPSDAVNLQVAKLNPPPEALAAKLEVKCTOISFKERLSIKSWG 83
3 CPALVSELDFFITSEPLFKLSLAKFDAPPAVAKLVKCTOQMSLQKSLIAEVLV 62
DB 84 IVKCGV 90
63 ILKRCV 69
RESULT 11
US-08-912-276-22
Sequence 22, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Kriatochvill, Jon D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Russell, John C.
APPLICANT: Stroupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
FOR DETECTING DISEASES OF THE BREAST
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Abbott Laboratories

```

: REFERENCE/DOCKET NUMBER: 952726
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (314) 727-5188
: TELEFAX: (314) 727-6092
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 91 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: HYPOTHEICAL: NO
:
US-08-455-896-8

Query Match      21.8%; Score 100; DB 1; Length 91;
Best Local Similarity 30.4%; Pred. No. 8e-06;
Matches 24; Conservative 16; Mismatches 39; Indels 0; Gaps 0;

QY      1 MRLSLCLMVSIALCCYQAHALYCAVASEITVFLELSDAANVLOAKINPPEALAKL 60
      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      1 MRLAVTLTLVLTALCCSSASAEICPSFORVETLTLMDPSSYEAMELFPQDMREAGA 60
      1 : : : : : : : : : : : : : : : : : : : : : : : : : : : :

QY      61 EYKCHTDQISFKERLSLTK 79
      61 : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      61 QLKKLVDTLPPKPRESTITK 79
      61 : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 13
US-08-933-149-8
: Sequence 8, Application US/08933149
: Patent No. 5922836
: GENERAL INFORMATION:
: APPLICANT: WATSON, MARK A.
: APPLICANT: FLEMING, TIMOTHY P.
: TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
: TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN
: NUMBER OF SEQUENCES: 14
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: HOWELL & HAFERKAMP, L.C.
: STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
: CITY: ST. LOUIS
: STATE: MISSOURI
: COUNTRY: USA
: ZIP: 63105-1817
: COMPUTER READABLE FORM:
: MEDIUM TYPE: floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/933,149
: FILING DATE:
: CLASSIFICATION: 424
: ATTORNEY/AGENT INFORMATION:
: NAME: HENDERSON, MELODIE W.
: REGISTRATION NUMBER: 37,848
: REFERENCE/DOCKET NUMBER: 6029-6040
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (314) 727-5188
: TELEFAX: (314) 727-6092
: INFORMATION FOR SEQ ID NO: 8:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 91 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: HYPOTHEICAL: NO
:
US-08-933-149-8

Query Match      21.8%; Score 100; DB 2; Length 91;

```

Best Local Similarity 30.4%; Pred. No. 8e-06;
Matches 24; Conservative 16; Mismatches 39; Indels 0; Gaps 0;

QY 1 MRLSVCLMWSLACCGAALVCPAVASEITVFLFLSDAANVQVAKLNPPPALAKL 60
Db 1 MKLAVTLTLVTLALCCSSASAEICPSFORVLETLLMDTPSSYEAMELFSPDQDMREGA 60
QY 61 EVKHCTDQISFKERTSLKK 79
Db 61 QLKLVDTLPQKPRESTIK 79

RESULT 14

US-09-082-343-8
; Sequence 8, Application US/09082343
; Patent No. 5968734
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A.
; APPLICANT: FLEMING, TIMOTHY P.
; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
; TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,343
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/455,896
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 952726
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 91 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; US-09-082-343-8

Query Match 21.8%; Score 100; DB 2; Length 91;
Best Local Similarity 30.4%; Pred. No. 8e-06;
Matches 24; Conservative 16; Mismatches 39; Indels 0; Gaps 0;

QY 1 MRLSVCLMWSLACCGAALVCPAVASEITVFLFLSDAANVQVAKLNPPPALAKL 60
Db 1 MKLAVTLTLVTLALCCSSASAEICPSFORVLETLLMDTPSSYEAMELFSPDQDMREGA 60
QY 61 EVKHCTDQISFKERTSLKK 79
Db 61 QLKLVDTLPQKPRESTIK 79

RESULT 15

US-09-082-253-8
; Sequence 8, Application US/09082253
; Patent No. 6004756
; GENERAL INFORMATION:
; APPLICANT: WATSON, MARK A.
; APPLICANT: FLEMING, TIMOTHY P.
; TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
; TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
; STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
; CITY: ST. LOUIS
; STATE: MISSOURI
; COUNTRY: USA
; ZIP: 63105-1817
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/082,253
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/455,896
; FILING DATE: 05/31/1995
; ATTORNEY/AGENT INFORMATION:
; NAME: HOLLAND, DONALD R.
; REGISTRATION NUMBER: 35,197
; REFERENCE/DOCKET NUMBER: 952726
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314) 727-5188
; TELEFAX: (314) 727-6092
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 91 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: NO
; US-09-082-253-8

Query Match 21.8%; Score 100; DB 3; Length 91;
Best Local Similarity 30.4%; Pred. No. 8e-06;
Matches 24; Conservative 16; Mismatches 39; Indels 0; Gaps 0;

QY 1 MRLSVCLMWSLACCGAALVCPAVASEITVFLFLSDAANVQVAKLNPPPALAKL 60
Db 1 MKLAVTLTLVTLALCCSSASAEICPSFORVLETLLMDTPSSYEAMELFSPDQDMREGA 60
QY 61 EVKHCTDQISFKERTSLKK 79
Db 61 QLKLVDTLPQKPRESTIK 79

Search completed: July 17, 2001, 15:49:43
Job time: 225 sec

SEQ ID #2 (Bu101)

ALBUQUERQUE

RESULT 1
US-08-821-451A-4
Sequence 4, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: JIAN NI, GUO-LIANG YU and Reiner Genz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PR257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-4

Query Match 100.0%; Score 450; DB 3; Length 90;
Best Local Similarity 100.0%; Pred. No. 2.4e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Tue Jul 17 16:04:45 2001

QY 1 MKLSVCLLVLTALCCYOANAEPCPALVSELDFFFISEPLFKLSLAKFPAPPAVAKTL 60
DB 1 MKLSVCLLVLTALCCYOANAEPCPALVSELDFFFISEPLFKLSLAKFPAPPAVAKTL 60
QY 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90
DB 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90

RESULT 2
US-09-263-810-4
Sequence 4, Application US/09263810

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28 59.5 12.0 114 1 US-08-504-042-3 Sequence 3, Appl1
29 59.5 12.0 114 1 US-08-504-042-6 Sequence 6, Appl1
30 59.5 12.0 114 1 US-08-504-042-12 Sequence 12, Appl1
31 59.5 12.0 114 2 US-08-725-969-3 Sequence 3, Appl1
32 59.5 12.0 114 2 US-08-725-969-6 Sequence 6, Appl1
33 59.5 12.0 114 2 US-08-794-524-3 Sequence 3, Appl1
34 59.5 12.0 114 2 US-08-794-524-6 Sequence 6, Appl1
35 59.5 12.0 114 4 US-09-189-193-3 Sequence 3, Appl1
36 59.5 12.0 114 4 US-09-189-193-6 Sequence 6, Appl1
37 59.5 12.0 114 5 PCT-US94-03793-3 Sequence 3, Appl1
38 59.5 12.0 114 5 PCT-US94-03793-6 Sequence 6, Appl1
39 59.5 12.0 114 5 PCT-US94-03793-12 Sequence 12, Appl1
40 59.5 12.0 122 1 US-08-300-903A-3 Sequence 3, Appl1
41 59.5 12.0 162 1 US-08-031-399-2 Sequence 2, Appl1
42 59.5 12.0 162 1 US-08-031-399-5 Sequence 5, Appl1
43 59.5 12.0 162 1 US-08-393-305-2 Sequence 2, Appl1
44 59.5 12.0 162 1 US-08-393-305-5 Sequence 5, Appl1
45 59.5 12.0 162 1 US-08-535-733-2 Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-821-451A-6
; Sequence 6, Application US/08821451A
; Patent No. 6066724
; GENERAL INFORMATION:
; APPLICANT: JIAN NI, GUO-LIANG YU and REINER GENTZ
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARILLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821,451A
; FILING DATE: March 21, 1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/014,724
; FILING DATE: March 21, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: MULLINS, J.G.
; REGISTRATION NUMBER: 33,073
; REFERENCE/DOCKET NUMBER: 325800-521 (PE257)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-994-1700
; TELEFAX: 201-994-1744
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 95 AMINO ACIDS
; TYPE: AMINO ACID
; STRANDEDNESS:
; TOPOLOGY: LINEAR
; MOLECULE TYPE: PROTEIN
; US-08-821-451A-6

Query Match 100.0%; Score 496; DB 3; Length 95;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Tue Jul 17 16:04:46 2001

us-09-54

QY 1 MKLMVLTALLLHCYADSGCKLEDMVEKTI NSDISIPYKELQEFIDSDAAEAMG 60
DB 1 MKLMVLTALLLHCYADSGCKLEDMVEKTI NSDISIPYKELQEFIDSDAAEAMG 60
QY 61 KFKCFTLNQSHRFLKNGLMHHTVYDSIWCNMSN 95
DB 61 KFKCFTLNQSHRFLKNGLMHHTVYDSIWCNMSN 95

RESULT 2
US-09-263-810-6
; Sequence 6, Application US/09263810

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: July 17, 2001, 15:49:42 ; Search time 25.42 Seconds
(without alignments)
75.285 Million cell updates/sec

Title: US-09-549-342a-3

Perfect score: 496
Sequence: 1 MKLWVIMIALLLHCHYADS.....NFGIMWHYYSIMCKSKN 95

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Archived: 193259 seqs, 20144635 residues

Total number of hits satisfying chosen parameters: 193259

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
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2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
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6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	496	100.0	95	3	US-08-821-451A-6
2	496	100.0	95	4	US-09-263-810-6
3	281	56.7	93	1	US-08-455-896-2
4	281	56.7	93	2	US-08-933-149-2
5	281	56.7	93	2	US-09-082-343-2
6	281	56.7	93	3	US-09-082-253-2
7	281	56.7	93	5	PCT-US96-08235-2
8	196.5	39.6	95	3	US-08-821-451A-27
9	196.5	39.6	95	4	US-09-263-810-27
10	196.5	39.4	95	1	US-08-455-896-7
11	195.5	39.4	95	2	US-08-933-149-7
12	195.5	39.4	95	2	US-08-082-343-7
13	195.5	39.4	95	3	US-09-082-253-7
14	195.5	39.4	95	5	PCT-US96-08235-7
15	65	13.1	1255	5	US-08-947-823-3
16	63.5	12.8	582	2	US-08-431-080-16
17	63.5	12.8	582	2	US-08-938-534-16
18	61	12.3	446	2	US-08-922-171-3
19	61	12.3	472	2	US-08-922-171-2
20	61	12.3	1257	4	US-08-947-823-5
21	59.5	12.0	114	1	US-08-031-399-3
22	59.5	12.0	114	1	US-08-031-399-6
23	59.5	12.0	114	1	US-08-031-399-12
24	59.5	12.0	114	1	US-08-393-305-3
25	59.5	12.0	114	1	US-08-393-305-6
26	59.5	12.0	114	1	US-08-726-817-3
27	59.5	12.0	114	1	US-08-726-817-6

28	59.5	12.0	114	1	US-08-504-042-3	Sequence 3, Appl1
29	59.5	12.0	114	1	US-08-504-042-6	Sequence 6, Appl1
30	59.5	12.0	114	1	US-08-504-042-12	Sequence 12, Appl1
31	59.5	12.0	114	2	US-08-725-969-3	Sequence 3, Appl1
32	59.5	12.0	114	2	US-08-725-969-6	Sequence 6, Appl1
33	59.5	12.0	114	2	US-08-794-524-3	Sequence 3, Appl1
34	59.5	12.0	114	2	US-08-794-524-6	Sequence 6, Appl1
35	59.5	12.0	114	4	US-09-189-193-3	Sequence 3, Appl1
36	59.5	12.0	114	4	US-09-189-193-6	Sequence 6, Appl1
37	59.5	12.0	114	5	PCT-US94-03793-3	Sequence 3, Appl1
38	59.5	12.0	114	5	PCT-US94-03793-6	Sequence 6, Appl1
39	59.5	12.0	114	5	PCT-US94-03793-12	Sequence 12, Appl1
40	59.5	12.0	122	1	US-08-300-903A-3	Sequence 3, Appl1
41	59.5	12.0	162	1	US-08-031-399-2	Sequence 2, Appl1
42	59.5	12.0	162	1	US-08-031-399-5	Sequence 5, Appl1
43	59.5	12.0	162	1	US-08-393-305-2	Sequence 2, Appl1
44	59.5	12.0	162	1	US-08-393-305-5	Sequence 5, Appl1
45	59.5	12.0	162	1	US-08-535-733-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1

US-08-821-451A-6
Sequence 6, Application US/08821451A

Patent No. 606724

GENERAL INFORMATION:

APPLICANT: Jian N1, Guo-Liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESSES:

ADDRESSEE: CECCHIA, BYRNE, BAIN, GILFILLAN,

ADDRESS: CECCHI, STEWART & OLSTEIN

STREET: 6 BECKER FARM ROAD

CITY: ROSELAND

STATE: NEW JERSEY

COUNTRY: USA

ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/821,451A

FILING DATE: March 21, 1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/014,724

FILING DATE: March 21, 1996

ATTORNEY/AGENT INFORMATION:

NAME: MULINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 95 AMINO ACIDS

TYPE: AMINO ACID

STRANDEDNESS:

TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN

US-08-821-451A-6

Query Match 100.0%; Score 496; DB 3; Length 95;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLWVLMALALLHCYADSGCKLEDVKEKINSISPEYKELLOEFIDSDAAAEAMG 60
DB 1 MKLWVLMALALLHCYADSGCKLEDVKEKINSISPEYKELLOEFIDSDAAAEAMG 60
QY 61 KFKQCFLNOSHRTLNKNGMLMHTVYDSIWCNMKSN 95
DB 61 KFKQCFLNOSHRTLNKNGMLMHTVYDSIWCNMKSN 95

RESULT 2

US-09-263-810-6
Sequence 6, Application US/09263810
Patent No. 6174992
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 95 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-263-810-6

Query Match 100.0%; Score 496; DB 4; Length 95;
Best Local Similarity 100.0%; Pred. No. 5e-54;
Matches 95; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLWVLMALALLHCYADSGCKLEDVKEKINSISPEYKELLOEFIDSDAAAEAMG 60
DB 1 MKLWVLMALALLHCYADSGCKLEDVKEKINSISPEYKELLOEFIDSDAAAEAMG 60
QY 61 KFKQCFLNOSHRTLNKNGMLMHTVYDSIWCNMKSN 95
DB 61 KFKQCFLNOSHRTLNKNGMLMHTVYDSIWCNMKSN 95

RESULT 3
US-08-455-896-2
Sequence 2, Application US/08455896
Patent No. 5668267
GENERAL INFORMATION:

APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,896
FILING DATE:
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-455-896-2

Query Match 56.7%; Score 281; DB 1; Length 93;
Best Local Similarity 58.7%; Pred. No. 1.5e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MKLWVLMALALLHCYADSGCKLEDVKEKINSISPEYKELLOEFIDSDAAAEAMG 60
DB 1 MKLWVLMALALLHCYADSGCKLEDVKEKINSISPEYKELLOEFIDSDAAAEAMG 60
QY 61 KFKQCFLNOSHRTLNKNGMLMHTVYDSIWCNM 92
DB 61 ELKECFLNQDETLNVEVFMOLIVDSICDL 92

RESULT 4
US-08-933-149-2
Sequence 2, Application US/08933149
Patent No. 5922836
GENERAL INFORMATION:

APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAFERKAMP, L.C.
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817

COMPUTER READABLE FORM:
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,149
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: HENDERSON, MELODIE W.
REGISTRATION NUMBER: 37,848
REFERENCE/DOCKET NUMBER: 6029-6040
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
08-933-149-2

Query Match 56.7%; Score 281; DB 2; Length 93;
Best Local Similarity 58.7%; Pred. No. 1.5e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

OY 1 MKLMTVLAALLHCHYADSCCKLEDMVEKTSIDISIPYKELQEFIDSDAAEAMG 60
Db 1 MKLMTVLAALLHCHYADSCCKPLEENYSKTIHQVSKTEYKELQEFIDNATNAID 60
OY 61 KFKCFLNQSHTLKNFGIMHTVYDSICNN 92
Db 61 ELKECFLNQTDETLSNVEVFMQLYDSSLCDI 92

RESULT 5
US-09-082-343-2
Sequence 2, Application US/09082343
Patent No. 5968754
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082,343
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-09-082-343-2

Query Match 56.7%; Score 281; DB 2; Length 93;
Best Local Similarity 58.7%; Pred. No. 1.5e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

OY 1 MKLMTVLAALLHCHYADSCCKLEDMVEKTSIDISIPYKELQEFIDSDAAEAMG 60
Db 1 MKLMTVLAALLHCHYADSCCKPLEENYSKTIHQVSKTEYKELQEFIDNATNAID 60
OY 61 KFKCFLNQSHTLKNFGIMHTVYDSICNN 92
Db 61 ELKECFLNQTDETLSNVEVFMQLYDSSLCDI 92

RESULT 6
US-09-082-253-2
Sequence 2, Application US/09082253
Patent No. 6004756

GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082,253
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE: 05/31/1995
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-09-082-253-2

Query Match 56.7%; Score 281; DB 3; Length 93;
Best Local Similarity 58.7%; Pred. No. 1.5e-27;
Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MKLWVLMALALLHCYADSGCKLEDVMEKTIINSIPYKELLQEFIDSDAAAEAMG 60
DB 1 MKLWVLMALALSHCHYAGSGCPLELVISKTIINPVSKTEYKELLQEFIDNATTAID 60
QY 61 KFKQCFLNQSHRTLNKFGMLMHTVYDSIWCNM 92
DB 61 ELKECFLNQTDFTLSNVEVFMOLITDSSLCDL 92

RESULT 7

PCT-US96-08235-2
Sequence 2, Application PC/TUS9608235
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08235
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 964796
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 93 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US96-08235-2

Query Match 56.7%; Score 281; DB 5; Length 93;
Best Local Similarity 58.7%; Pred. No. 1.5e-27;

Matches 54; Conservative 13; Mismatches 25; Indels 0; Gaps 0;

QY 1 MKLWVLMALALLHCYADSGCKLEDVMEKTIINSIPYKELLQEFIDSDAAAEAMG 60
DB 1 MKLWVLMALALSHCHYAGSGCPLELVISKTIINPVSKTEYKELLQEFIDNATTAID 60
QY 61 KFKQCFLNQSHRTLNKFGMLMHTVYDSIWCNM 92
DB 61 ELKECFLNQTDFTLSNVEVFMOLITDSSLCDL 92

RESULT 8

US-08-821-451A-27
Sequence 27, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/821,451A

FILING DATE: March 21, 1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 60/014,724

FILING DATE: March 21, 1996

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (PF257)

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 27:

SEQUENCE CHARACTERISTICS:

LENGTH: 95 AMINO ACIDS

TYPE: AMINO ACID

STRANDEDNESS: SINGLE

TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN

US-08-821-451A-27

Query Match 39.6%; Score 196.5; DB 3; Length 95;
Best Local Similarity 35.8%; Pred. No. 4.1e-17;

Matches 34; Conservative 31; Mismatches 29; Indels 1; Gaps 1;

QY 1 MKLWVLMALALLHCYADSGCKLEDVMEKTIINSIPYKELLQEFIDSDAAAEAMG 59
DB 1 MKLVFLVLTIPICCYAGSGCSIDDEVIRGTINSTVLHDKLVKRYVQAHFTEKAV 60
QY 60 GFKQCFLNQSHRTLNKFGMLMHTVYDSIWCNMKS 94
DB 61 KFKQCFLNQSHRTLNKFGMLMHTVYDSIWCNMKS 95

RESULT 9

US-09-263-810-27

Sequence 27, Application US/09263810

Patent No. 6174992

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-

TITLE OF INVENTION: Binding Factor I, II and III

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

RESULT 10
 US-08-455-696-7
 : Sequence 7, Application US/08455896
 : Patent No. 5668267
 :
 : GENERAL INFORMATION:
 : APPLICANT: MATSON, MARK A.
 : APPLICANT: FLEMING, TIMOTHY P.
 : TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
 : TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
 : NUMBER OF SEQUENCES: 13
 :
 : CORRESPONDENCE ADDRESSES:
 : ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
 : STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
 : CITY: ST. LOUIS
 : STATE: MISSOURI
 : COUNTRY: USA
 : ZIP: 63105-1817
 :
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.25
 :
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/455,896
 : FILING DATE:
 : CLASSIFICATION: 435
 : ATTORNEY/AGENT INFORMATION:
 : NAME: HOLLAND, DONALD R.
 : REGISTRATION NUMBER: 35,197
 : REFERENCE/DOCKET NUMBER: 953726
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (314) 727-5188
 : TELEFAX: (314) 727-6092
 :
 : INFORMATION FOR SEQ ID NO: 7:
 : SEQUENCE CHARACTERISTICS:

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1 ZIP: 63105-1817
2
3 COMPUTER READABLE FORM:
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5 MEDIUM TYPE: Floppy disk
6
7 COMPUTER: IBM PC compatible
8
9 OPERATING SYSTEM: PC-DOS/MS-DOS
10
11 SOFTWARE: PatentIn Release #1.0, Version #1.25
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13 CURRENT APPLICATION DATA:
14
15 APPLICATION NUMBER: US/08/933,149
16
17 FILING DATE:
18
19 CLASSIFICATION: 424
20
21 ATTORNEY/AGENT INFORMATION:
22
23 NAME: HENDERSON, MELODIE W.
24
25 REGISTRATION NUMBER: 37,848
26
27 REFERENCE/DOCKET NUMBER: 6029-6040
28
29 TELECOMMUNICATION INFORMATION:
30
31 TELEPHONE: (314) 727-5188
32
33 TELEFAX: (314) 727-6092
34
35 INFORMATION FOR SEQ ID NO: 7:
36
37 SEQUENCE CHARACTERISTICS:
38
39 LENGTH: 95 amino acids
40
41 TYPE: amino acid
42
43 STRANDEDNESS: single
44
45 TOPOLOGY: linear
46
47 MOLECULE TYPE: protein
48
49 HYPOTHEetical: NO
50
51 US-08-933-149-7
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SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/08235
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 964796
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 95 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
PCT-US96-08235-7

Query Match 39.4%, Score 195.5; DB 5; length 95;
Best Local Similarity 35.8%; Pred. No.5.4e-17;
Matches 34; Conservative 30; Mismatches 30; Indels 1; Gaps 1

QY 1 MKLMLVLMALALLHCYAD-SCKRLLEDWVEKTIINSOISIPRYKELOEFIDSDAAAEAM 59
:::
1 MKLVLEFLVLTPICCVAGSGCSGLTDEVIKRTINISTYLHDMIKVKRKYVDHFTEKKV 60

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Oy      60 GKFKOCEFLNQSHRTAKNEGLMMHHYYDSIWCNMKS   94  
          :|||||:::||:|:|:|:|:|:|:|:|:|:|:|:|  
Db      61 KQFKOCFLDQTDKLELVGVMMEALFNSESCQOPS   95
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RESULT 15
US-08-947-823-3

Sequence 3, Application US/0894/823
Patent No. 6114605
GENERAL INFORMATION:
APPLICANT: Williamson, Valerie M.
APPLICANT: Kaloshian, Isagounhi
APPLICANT: Yaghoubi, Jafar
APPLICANT: Bodeau, John
APPLICANT: Milligan, Stephen
TITLE OF INVENTION: Procedures and Materials for Conferring
TITLE OF INVENTION: Pest Resistance in Plants
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/947,823
FILING DATE: 09-OCT-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US97/18802
FILING DATE: 09-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/028,191
FILING DATE: 10-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Bastian, Kevin L.

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:      REGISTRATION NUMBER: 34,774
:      REFERENCE/DOCKET NUMBER: 023070-070210US
:      TELECOMMUNICATION INFORMATION:
:      TELEPHONE: (415) 576-0200
:      TELEFAX: (415) 576-0300
:      INFORMATION FOR SEQ ID NO: 3:
:      SEQUENCE CHARACTERISTICS:
:      LENGTH: 1255 amino acids
:      TYPE: amino acid
:      TOPOLOGY: linear
:      MOLECULE TYPE: protein
:      US-08-947-823-3

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Query Match	13.1%	Score 65;	DB 4;	Length 1255;
Best Local Similarity	23.9%	Pred. NO. 19;		
Matches 22;	Conservative 16;	Mismatches 44;	Indels 10;	Gaps 3.

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QY 1 MRLMTVMTLALLLHGYAAGCGKLEDEWEKINSIDISIPYKELQEFDSGAAAEVAG 60
  ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 48 IKLMARITCTVYGLSC---SDPEQFEDIMTR-----KRGVEVNLQPLDDDVFFSLTS 98
QY 61 KFKQCFLNDSHRTLKNGFLMHTVYDSIMCNM 92
  ||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :||| :|||
Db 99 NMDDC-ISTLTHRSYKSDALIMMDQDLDFLLNL 129

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Search completed: July 17, 2001, 15:49:43
Job time: 225 sec

SEQ ID# 10 (TUL84)

ALIGNMENTS

RESULT 1
US-08-821-451A-2
Sequence 2, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian NI, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESSEE: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-2

Query Match 92.4%; Score 424; DB 3; Length 90;
Best Local Similarity 94.4%; Pred. No. 8,9e-48;
Matches 85; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MRLSVCLMWSTLACCTOAHALVCPAVASEITVEFLSDAAYNLQVAKINPPPEALAAKL 60
DB 1 MRLSVCLMWSTLACCTOAHALVCPAVASEITVEFLSDAAYNLQVAKINPPPEALAAKL 60
QY 61 EVKHCIDQISFKERLSIKKSWGIYKKGCV 90
DB 61 EVKHCIDQISFKERLSIKKSWGIYKKGCV 90

RESULT 2
US-08-263-810-2
Sequence 2, Application US/09263810
Patent No. 6174992
GENERAL INFORMATION:

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GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 17, 2001, 15:45:58 ; Search time 25.42 seconds
(without alignments)
71.322 Million cell updates/sec

Title: US-09-549-342a-2

Perfect score: 450
Sequence: 1 MKLSVCLLVTLALOCYQAN.....LQKSLAEVLKILKCSV 90

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

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Total number of hits satisfying chosen parameters: 193259

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	450	100.0	90	US-08-821-451A-4	Sequence 4, Appl1
2	450	100.0	90	US-09-263-810-4	Sequence 4, Appl1
3	450	100.0	90	US-08-912-276-15	Sequence 15, Appl1
4	342	76.0	69	US-08-912-276-23	Sequence 23, Appl1
5	277	61.6	90	US-08-821-451A-2	Sequence 2, Appl1
6	277	61.6	90	US-09-263-810-2	Sequence 2, Appl1
7	219	48.7	45	US-08-912-276-22	Sequence 22, Appl1
8	202	44.9	90	US-08-821-451A-25	Sequence 25, Appl1
9	202	44.9	90	US-08-821-451A-26	Sequence 26, Appl1
10	202	44.9	90	US-09-263-810-25	Sequence 25, Appl1
11	202	44.9	90	US-09-263-810-26	Sequence 26, Appl1
12	110	24.4	91	US-08-455-896-8	Sequence 8, Appl1
13	110	24.4	91	US-08-933-149-8	Sequence 8, Appl1
14	110	24.4	91	US-09-082-343-8	Sequence 8, Appl1
15	110	24.4	91	US-09-082-343-8	Sequence 8, Appl1
16	110	24.4	91	PCT-US96-08235-8	Sequence 8, Appl1
17	101	22.4	22	US-08-912-276-21	Sequence 21, Appl1
18	80	17.8	15	US-08-912-276-16	Sequence 16, Appl1
19	75.5	16.8	93	US-08-964-725-14	Sequence 14, Appl1
20	75	16.7	15	US-08-912-276-19	Sequence 19, Appl1
21	73	16.2	16	US-08-912-276-18	Sequence 18, Appl1
22	72	16.0	16	US-08-912-276-17	Sequence 17, Appl1
23	70	15.6	109	US-07-662-193-5	Sequence 5, Appl1
24	70	15.6	109	US-08-300-928C-8	Sequence 8, Appl1
25	70	15.6	109	US-08-430-944D-8	Sequence 8, Appl1
26	70	15.6	109	US-08-430-014-8	Sequence 8, Appl1
27	70	15.6	109	US-08-431-184-8	Sequence 8, Appl1

28	69	15.3	1621	US-08-972-927-3	Sequence 3, Appl1
29	66.5	14.8	224	US-08-287-959-6	Sequence 6, Appl1
30	66.5	14.8	3079	PCT-US94-00198-4	Sequence 4, Appl1
31	66	14.7	16	US-08-912-276-20	Sequence 20, Appl1
32	62	13.8	109	US-07-807-529A-6	Sequence 6, Appl1
33	62	13.8	109	PCT-US93-02462-6	Sequence 6, Appl1
34	62	13.8	111	US-07-662-193-4	Sequence 4, Appl1
35	62	13.8	111	US-08-300-928C-6	Sequence 6, Appl1
36	62	13.8	111	US-08-430-944D-6	Sequence 6, Appl1
37	62	13.8	111	US-08-430-014-6	Sequence 6, Appl1
38	62	13.8	111	US-08-431-184-6	Sequence 6, Appl1
39	62	13.8	145	US-08-832-535-2	Sequence 2, Appl1
40	62	13.8	145	US-09-019-485-2	Sequence 2, Appl1
41	62	13.8	145	US-09-019-485-3	Sequence 3, Appl1
42	62	13.8	145	US-09-431-480-9	Sequence 9, Appl1
43	62	13.8	178	US-08-791-522-1	Sequence 1, Appl1
44	62	13.8	178	US-09-314-777-1	Sequence 1, Appl1
45	60.5	13.4	92	US-07-807-529A-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1

US-08-821-451A-4
Sequence 4, Application US/08821451A

Patent No. 6065724.

GENERAL INFORMATION:

APPLICANT: Jian NI, Guo-Liang Yu and Reiner Gentz

TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN

STREET: 6 BECKER FARM ROAD
CITY: ROSELAND

STATE: NEW JERSEY
COUNTRY: USA

ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE

COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS

SOFTWARE: WORD PERFECT 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: 60/014,724

FILING DATE: March 21, 1996

ATTORNEY/AGENT INFORMATION:

NAME: MULLINS, J.G.

REGISTRATION NUMBER: 33,073

REFERENCE/DOCKET NUMBER: 325800-521 (P257)

TELEPHONE: 201-994-1700

TELEFAX: 201-994-1744

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 90 AMINO ACIDS

TYPE: AMINO ACID

STRANDEDNESS:

TOPOLOGY: LINEAR

MOLECULE TYPE: PROTEIN

Query Match 100.0%; Score 450; DB 3; Length 90;
Best Local Similarity 100.0%; Pred. No. 2.4e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAAKL 60
DB 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAAKL 60
QY 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90
DB 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90

RESULT 2

US-09-263-810-4
Sequence 4, Application US/09263810
Patent No. 6174992

GENERAL INFORMATION:

APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARBELA, BIRNE, BAIN, GILFILLAN,
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-263-810-4

Query Match 100.0%; Score 450; DB 4; Length 90;
Best Local Similarity 100.0%; Pred. No. 2.4e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAAKL 60
DB 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAAKL 60
QY 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90
DB 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90

RESULT 3
US-08-912-276-15
Sequence 15, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:

APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Kratochvil, Jon D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Russell, John C.
APPLICANT: Stroupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6183952e
US-08-912-276-15

Query Match 100.0%; Score 450; DB 4; Length 90;
Best Local Similarity 100.0%; Pred. No. 2.4e-49;
Matches 90; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAAKL 60
DB 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVAAKL 60
QY 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90
DB 61 GVKRCTDOMSLQKRSLLAEVLVKILKCSV 90

RESULT 4
US-08-912-276-23
Sequence 23, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.


```

? APPLICANT: Friedman, Paula N.
? APPLICANT: Gordon, Julian
? APPLICANT: Granados, Edward N.
? APPLICANT: Hodges, Steven C.
? APPLICANT: Klass, Michael R.
? APPLICANT: Kratochvil, Jon D.
? APPLICANT: Roberts-Rapp, Lisa
? APPLICANT: Russell, John C.
? APPLICANT: Stroupe, Steven D.
? TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
? NUMBER OF INVENTIONS: FOR DETECTING DISEASES OF THE BREAST
? CORRESPONDENCE ADDRESS:
? STREET: 100 Abbott Park Road
? CITY: Abbott Park
? STATE: IL
? COUNTRY: USA
? ZIP: 60064-3500
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Diskette
? COMPUTER: IBM Compatible
? OPERATING SYSTEM: DOS
? SOFTWARE: FASTSEQ for Windows Version 2.0
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/912,276
? FILING DATE:
? CLASSIFICATION:
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER:
? FILING DATE:
? ATTORNEY/AGENT INFORMATION:
? NAME: Becker, Cheryl L
? REGISTRATION NUMBER: 35,441
? REFERENCE/DOCKET NUMBER: 5972.US.P1
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: 847/935-1729
? TELEFAX: 847/938-2623
? TELEX:
? INFORMATION FOR SEQ ID NO: 23:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 69 amino acids
? TYPE: amino acid
? STRANDEDNESS: single
? TOPOLOGY: linear
? MOLECULE TYPE: No. 6183952e
? 08-912-276-23
? Query Match .76.0%; Score 342; DB 4; Length 69;
? Best Local Similarity 100.0%; Pred. No. 5.8e-36;
? Matches 69; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
? Oy 22 EFCPALVELDFFRISPEPLKRLSLAKKDAPENVAARKLVKRCITDQMSLQRSILAIVL 81
? Db 1 EFCEPALVELDEFFRISPEPLKRLSLAKFDAPENVAARKLVKRCITDQMSLQRSILAIVL 60
? Qy 82 VKILKKCSV 90
? Db 61 VKILKKCSV 69
? RESULT 5
? US-08-821-451A-2
? Sequence 2, Application US/08821451A
? Patent No. 6066724
? GENERAL INFORMATION:
? APPLICANT: Jian NI, Guo-Liang Yu and Reiner Gentz
? TITLE OF INVENTION: Human Endometrial Specific Steroid-
? TITLE OF INVENTION: Binding Factor I, II and III
? NUMBER OF SEQUENCES: 27
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,

```

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ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-2

Query Match      61.6%; Score 277; DB 3; Length 90;
Best Local Similarity 58.9%; Pred. No. 1,1e-27;
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

QY      1 MRLSLCLLVLTALCCYQANAEFCALVSELDFFFISEPLEFKLSLAFDAPPEAVAAKL 60
Db      1 MRLSLCLLVLTALCCYQAHALCPVAASEIVTFLELSDAAVNIQVAKLNPPPEALAKL 60

QY      61 GVKRCTDQMSLRSLIAEVLVKIKKCSV 90
        |||||:|:|:|:|:|:|:|:|:|:|
Db      61 EVKHCTDQISFKKRLSLKLVLEIVKKGV 90

RESULT      6
US-09-263-810-2
; Sequence 2, Application US/09263810
; Patent No. 6174992
; GENERAL INFORMATION:
; APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
; TITLE OF INVENTION: Human Endometrial Specific Steroid-
; TITLE OF INVENTION: Binding Factor I, II and III
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
; ADDRESSEE: CECCHI, STEWART & OLSTEIN
; STREET: 6 BECKER FARM ROAD
; CITY: ROSELAND
; STATE: NEW JERSEY
; COUNTRY: USA
; ZIP: 07068
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 INCH DISKETTE
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263,810
; FILING DATE:

```

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS:
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-263-810-2

Query Match 61.6%; Score 277; DB 4; Length 90;
Best Local Similarity 58.9%; Pred. No. 1,1e-27;
Matches 53; Conservative 17; Mismatches 20; Indels 0; Gaps 0;

QY 1 MLISVCLLVLTALCCYQNAEFCPALVSELDFFITSEPLFKLSAKFDAPPEAVAAKL 60
DB 1 MRLSVCLLVMTSLALCYQNAHALVCAPVASEITVFLFLSDAAVNLQVAKINPPEALAKL 60

QY 61 GVKRCTDOMSLQKRSLIAEVLYKILKCSV 90
DB 61 EVKCHTDQISFKRSLSEKRVLEIVTKKCV 90

RESULT 7
US-08-912-276-22
Sequence 22, Application US/08912276
Patent No. 6183952
GENERAL INFORMATION:
APPLICANT: Billing-Medel, Patricia A.
APPLICANT: Cohen, Maurice
APPLICANT: Colpitts, Tracey L.
APPLICANT: Friedman, Paula N.
APPLICANT: Gordon, Julian
APPLICANT: Granados, Edward N.
APPLICANT: Hodges, Steven C.
APPLICANT: Klass, Michael R.
APPLICANT: Kratochvil, Jon D.
APPLICANT: Roberts-Rapp, Lisa
APPLICANT: Russell, John C.
APPLICANT: Stroupe, Steven D.
TITLE OF INVENTION: REAGENTS AND METHODS USEFUL
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE BREAST
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
STATE: IL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: PASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/912,276
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 5972.US.P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847/935-1729
TELEFAX: 847/938-2623
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6183952e
US-08-912-276-22

Query Match 48.7%; Score 219; DB 4; Length 45;
Best Local Similarity 100.0%; Pred. No. 8.6e-21;
Matches 45; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 46 LAKFDAPPEAVAAKLGVKRCTDOMSLQKRSLIAEVLYKILKCSV 90
DB 1 LAKFDAPPEAVAAKLGVKRCTDOMSLQKRSLIAEVLYKILKCSV 45

RESULT 8
US-08-821-451A-25
Sequence 25, Application US/08821451A
Patent No. 6066724
GENERAL INFORMATION:
APPLICANT: Jian Ni, Guo-Liang Yu and Reiner Gentz
TITLE OF INVENTION: Human Endometrial Specific Steroid-
TITLE OF INVENTION: Binding Factor I, II and III
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,
ADDRESS: CECCHI, STEWART & OLSTEIN
STREET: 6 BECKER FARM ROAD
CITY: ROSELAND
STATE: NEW JERSEY
COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/821,451A
FILING DATE: March 21, 1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/014,724
FILING DATE: March 21, 1996
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-821-451A-25

COUNTRY: USA
ZIP: 07068
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2
OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/263,810
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/821,451
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: MULLINS, J.G.
REGISTRATION NUMBER: 33,073
REFERENCE/DOCKET NUMBER: 325800-521 (PF257)
TELECOMMUNICATION INFORMATION:
TELEPHONE: 201-994-1700
TELEFAX: 201-994-1744
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 90 AMINO ACIDS
TYPE: AMINO ACID
STRANDEDNESS: SINGLE
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-09-263-810-26

Query Match 44.9%; Score 202; DB 4; Length 90;
Best Local Similarity 48.4%; Pred. No. 2,6e-18;
Matches 44; Conservative 15; Mismatches 30; Indels 2; Gaps 2;

QY 1 MKLSVCLLVLTALCCYQANA-EPCPAVSELDFFISPEPLKSLAKPDAPPEAVAAKL 59
DB 1 IELSLCLLIM-LAVCCYENASQICELVAHETISFLMSSEELKELEYMAPPAVEAK 59
QY 60 LGVKRCTDQMSLQKRSLLAEVLVKILKCSV 90
DB 60 LEVKRCVDMNSGDRVLVAETLVLYIFLECGV 90

RESULT 12
US-08-455-896-8
Sequence 8, Application US/08455896
Patent No. 5668267
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
TITLE OF INVENTION: MAMMARY-SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,896
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197

REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-455-896-8

Query Match 24.4%; Score 110; DB 1; Length 91;
Best Local Similarity 31.0%; Pred. No. 8,7e-07;
Matches 26; Conservative 17; Mismatches 41; Indels 0; Gaps 0;

QY 1 MKLSVCLLVLTALCCYQANA-EPCPAVSELDFFISPEPLKSLAKPDAPPEAVAAKL 60
DB 1 MKLAVTLVLTALCCSSASAEICPSFQVIEITLMDTPSYEAMLELSPQDMREACA 60
QY 61 GVKRCTDQMSLQKRSLLAEVLVKI 84
DB 61 OLKIVDTLPKPKRESIIKIMERI 84

RESULT 13
US-08-933-149-8
Sequence 8, Application US/08933149
Patent No. 5922836
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
TITLE OF INVENTION: MAMMAGLOBIN, A SECRETED
TITLE OF INVENTION: MAMMARY SPECIFIC BREAST CANCER PROTEIN
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOWELL & HAFERKAMP, L.C.
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/933,149
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: HENDERSON, MELODIE W.
REGISTRATION NUMBER: 37,848
REFERENCE/DOCKET NUMBER: 6029-6040
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-08-933-149-8

Query Match 24.4%; Score 110; DB 2; Length 91;

Best Local Similarity 31.0%; Pred. No. 8.7e-07;
Matches 26; Conservative 17; Mismatches 41; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVNAKL 60
Db 1 MKLAVTLVTLALCCSSASAEICPSFORVETILMDTPSSYEAMELFSPDQWREAGA 60
QY 61 GVKRCTDOMSLOKRSIAEVLVKI 84
Db 61 QLKRLVDTLPQKPRESTIKIMEKI 84

RESULT 14

US-09-082-343-8
Sequence 8, Application US/09082343
Patent No. 5968754
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082,343
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-09-082-343-8

Query Match 24.4%; Score 110; DB 2; Length 91;
Best Local Similarity 31.0%; Pred. No. 8.7e-07;
Matches 26; Conservative 17; Mismatches 41; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVNAKL 60
Db 1 MKLAVTLVTLALCCSSASAEICPSFORVETILMDTPSSYEAMELFSPDQWREAGA 60
QY 61 GVKRCTDOMSLOKRSIAEVLVKI 84
Db 61 QLKRLVDTLPQKPRESTIKIMEKI 84

RESULT 15

US-09-082-253-8
Sequence 8, Application US/09082253
Patent No. 6004756
GENERAL INFORMATION:
APPLICANT: WATSON, MARK A.
APPLICANT: FLEMING, TIMOTHY P.
TITLE OF INVENTION: DNA SEQUENCE AND ENCODED
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: ROGERS, HOWELL & HAFERKAMP
STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
CITY: ST. LOUIS
STATE: MISSOURI
COUNTRY: USA
ZIP: 63105-1817
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/082,253
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/455,896
FILING DATE: 05/31/1995
ATTORNEY/AGENT INFORMATION:
NAME: HOLLAND, DONALD R.
REGISTRATION NUMBER: 35,197
REFERENCE/DOCKET NUMBER: 952726
TELECOMMUNICATION INFORMATION:
TELEPHONE: (314) 727-5188
TELEFAX: (314) 727-6092
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
US-09-082-253-8

Query Match 24.4%; Score 110; DB 3; Length 91;
Best Local Similarity 31.0%; Pred. No. 8.7e-07;
Matches 26; Conservative 17; Mismatches 41; Indels 0; Gaps 0;

QY 1 MKLSVCLLVTLALCCYQANAEFCPALVSELDFFFISEPLFKLSLAKFDAPPEAVNAKL 60
Db 1 MKLAVTLVTLALCCSSASAEICPSFORVETILMDTPSSYEAMELFSPDQWREAGA 60
QY 61 GVKRCTDOMSLOKRSIAEVLVKI 84
Db 61 QLKRLVDTLPQKPRESTIKIMEKI 84

Search completed: July 17, 2001, 15:49:42
Job time: 224 sec

